

## **KEYED NOTES:**

- LANL'S SUPPORT SERVICES SUBCONTRACTOR (SSS) WILL FURNISH, INSTALL, AND ADJUST PRESSURE OF GAS REGULATOR.
- CONTRACTOR SHALL TERMINATE PIPING WITH A THREADED CAP OR PLUG AND ALLOW SUFFICIENT HORIZONTAL SPACE, 5-10 FEET, BETWEEN TERMINATION POINTS FOR INSTALLATION OF REGULATOR STATION.
- LOCATE REGULATORS NOT LESS THAN 10 FEET HORIZONTALLY FROM INTAKE AIR DEVICES (LOUVERS, FANS, ETC).
- BOND ABOVE GROUND PIPING TO ELECTRICAL GROUNDING SYSTEM. BOND TO GAS PIPING AT SUITABLE LOCATION DOWNSTREAM OF REGULATOR AND UPSTREAM OF GAS APPLIANCE SHUT-OFF VALVE, COMPLY WITH NEC.
- BOND GAS PIPING LOCATED WITHIN 6 FEET OF A LIGHTNING PROTECTION CONDUCTOR TO THE CONDUCTOR PER NFPA 780. BOND TO GAS PIPING AT SUITABLE EXTERIOR LOCATION DOWN-STREAM OF REGULATOR.

OUTLET PRESSURE	REGULATOR MAX. CAPACITY (SCFH) AT 0.6 S.G.	ORIFICE SIZE	SPRING NUMBER							
FISHER REGULATOR \$402 (CAPACITIES BASED ON 20 PSIG INLET PRESSURE)										
7" WC	520 1060 1660	1/8 3/16 1/4	T13527-T0012 (YELLOW)							
1 PSIG	510 1130 2000	1/8 3/16 1/4	T13564-T0012 (GRAY)							
2 PSIG	490 1020 2020	1/8 3/16 1/4	T13536-T0012 (BLUE)							

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FACILITY & WASTE OPERATIONS													
FACILITY & WASTE OPERATIONS SYSTEMS ENGINEERING & MAINTENANCE													
STOLEMS ENGINEERING & MAINTENANCE													
LANL ENGINEERING MANUAL					DRAWN		I R.P	R.PEARSON					
					DESIGN		1						
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GAS REGULATOR STATION DETAIL SINGLE STAGE, LOW FLOW					CHECKED		, из	M.SMITHOUR					
BLDG, X TA-X						DATE		_	5-25-99				
5UBMITTED APPROVED FOR RELEASE													
DISCIPLINE POC: E. HOTH STANDARDS WANAGER: TOBIN ORUCH													
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